

SOUTH PRODUCTION NOTES

**April 30, 2014
Afternoon Shift**

**BASF EMPLOYEES
48 Last Recordable
298 Last Lost Time**

- 1. Trimer ORP now set at 290 (RCs #5 and #4). Monitor and adjust as needed.**
- 2. Work notification written on the Hyster 30 forklift – brake light torn off**
- 3. Work notification for gear box (#1 MED) still outstanding (not addressed).**
- 4. Work order is in for Heil Scrubber-B-27-no suction.-4/27/14**

#1 MED / AL-3992 done, Celanese next through dryer/calcliner:

Work notifications written for oil leak at gearbox on the extruder (4/8/14) and mixer outlet valve passing powder to pulva when powder is dropped from hopper. Outlet valve was worked on 4/23/14 MV. Cleaning sheet in the Celanese MOD in GL office.

Day shift: Currently following the clean out sheet and focusing on the dryer that has not been completed.

Afternoon Shift: No activity...need to start cleaning dryer and calcliner for Celanese

Midnight shift: Began clean up sheet. Continue on.

#1 RC / AL-3992 done, Celanese next:

Calcliner was reversed and needs cleaned.

Day shift: Not a whole lot of activity.

Afternoon Shift: No activity...scheduled work for midnight and day shifts on dryer and RC

Midnight shift: Began clean up sheet. Continue on.

Exhaust to F1

#2 MED line/ Cu-0360:.

Maintenance still working on the #2 viron (Work notification on #2 Viron East flow meter still outstanding (RAND 4/7/14). Before starting this line again we need to make sure that the #2 DC is emptied – alarm going off tonight a couple of times.

Day Shift: Maintenance was still working on Viron as of this morning – waiting for update from maintenance supervisor. We have retrieved a PR2 rack for Trial from the North end as well as 119 bags. We will need to repack some of the Cu-3819 that is in drums. We do have enough bags to start the trial.

Afternoon Shift: On hold. Will need to work on set-up for Cu 0360 trial using mixer...see start-up requirements on last page of Notes.

Midnight shift: On hold.

#2 RC/ Cu-0860: Completed.

Brought down for maintenance.

Day shift: Calciner still down.

Afternoon shift: Hold

Midnight shift: No change.

Exhaust to F1

#3 MED line / D 0768 next:

Maintenance working on replacing the plows. It will go into second shift.

Day shift: Maintenance installing new plows; will go into second shift. Final cleaning on the #3 dryer will be finished.

Afternoon Shift: Plows not installed (not scheduled afternoon shift). Will be finished day shift Wednesday. Still need final cleaning on #3 dryer (belt, corners, discharge bed).

Midnight Shift: No change.

#3 RC/ D 0768:

Finished feeding D-0768 fines. Need to set up discharge bag and the fines drums.

Day shift: All fines have been fed. Need to set up discharge per MOD (115 bags – 2200 lbs).

Afternoon Shift: D 0768 fines running through into drums as described above. Screener was changed to .187 x 5/16 mesh fines and 3 mesh oversize to cutter (per Bill Grodecki).

Midnight shift: Ran both of the large bags of fines through the calciner into drums to be milled for recycle.

Exhaust to CTO

#4 RC / Selexorb:

Waiting for more Selexorb.

Day shift: Additional 14,000 lbs. of selexorb on its way. We will feed once it arrives.

Afternoon Shift: Confirmed that 7 mesh fines screen being used per J Bodmann's request.

Hold for more material.

Midnight Shift: On hold. Waiting for more material.

Exhaust to Trimer

PK Blender / 1506:

Confirm with John Bodmann as to how to use bags of 1505 to dry back the 1 wet batch that is still in building 9. 1506 are being stored in pole barn until ready to run on #5 RC.

Day shift: Continued on.

Afternoon Shift: Continue as manpower permits
Midnight Shift: Continued on.

#5 RC / 1506:

Need to remember that we do not need 5A dust collector running with this product. **We need to check the suction twice every shift.**

Day shift: Continuing on.

Afternoon shift: Restarted 1506

Midnight shift: Continued on. Feed rate at 635.

Exhaust to Trimer

Old Pfaudler – D-0754:

Day Shift: Continue

Afternoon Shift: Continue

Midnight Shift: Continued to make batches.

#6 RC / D-0754:

Continue to run.

Day Shift: Continue. All labels have been changed to Chevron labels.

Afternoon shift: Calciner and dryer lit and up to temp. Pfaudler hopper (1st batch) was emptied into buggies and can be fed.

Midnight shift: Feed was started late on 2nd shift.

Exhaust to Sly Scrubber

Abbe Blender – D-5206:

We can run on the weekend and off shifts. Make sure to read Grodecki's instructions at the end of the shift notes regarding how to match up the lots of 5202.

Day shift: No activity

Afternoon shift: No activity

Midnight shift: No change.

National Dryer / D-5206:

Make sure that we are taking the bags coming off the National dryer to the far railshed for the moment. We will not feed D-5206 to the calciner just yet.

Day shift: No activity.

Afternoon Shift: No activity

Midnight Shift: No change.

Tower 3 / DPT-101:

Loaded and running.

Day shift: Running.

Afternoon shift: Continue
Midnight Shift: Continued to run.

Tower 6 / DPT-101:

Loaded and running.
Day shift: Running.
Afternoon shift: Continue
Midnight Shift: Continued to run.

North Screener / Cu-1155 3/16 x 3/16

At the request from the engineer we will clean out and take apart the North Screener.
Day shift: No activity as of right now. Still waiting for disposition on partial tote of 1155 at the nitrogen line.
Afternoon Shift: When last tote empty, bring down and make sure Lot comp sample taken 9if not already done). Then hold screener for decision on Wednesday (to determine what is next)
Midnight shift: On hold. Waiting on decision on what to do with the screener.

South Screener / DPT-101:

Switch screener to DPT-101.
Day shift: Continued.
Afternoon Shift: Continue
Midnight shift: Continued to run.

Tunnel Kiln #3 / Cu Carb testing:

We have lit up zone #2 per the engineer and have added material to the kiln for the continuing testing.
Day shift: No activity.
Afternoon Shift: Lit but idling, periodically check on kiln
Midnight shift: Waiting on decision.

Tunnel Kiln #4 / Cu-0540:

Completed
Day shift: Down.
Afternoon Shift: Down
Midnight shift: Down.

HC-11 Tanks Cu-5020 :

The strikes have started. Continuing communication with the North is vital during this trial run. Issue with Heil Scrubber (work notification was written Sunday)
Day shift: Continued strikes.
Afternoon Shift: Continue. Dust collector was moved and reconnected, but blow down lines were not. Maintenance correcting this late afternoon shift (done).

Midnight shift: Continued to run. 3 batches made as of 5:30am.

#2662 (east) Pill Machine / Zr-0403 1/8: Hold

Started to clean up and take apart machines in preparation for Zr material. We will use only one dust collector.

Day Shift: No change.

Afternoon shift: No change.

Midnight shift: No change.

#2664 (west) Pill Machine / Zr-0403 1/8: Hold

Started to clean up and take apart machines in preparation for Zr material. We will use only one dust collector.

Day Shift: No change.

Afternoon shift: No change.

Midnight shift: No change.

Harrop Kiln - Al-3921 T 3/16”:

Down... saggars have been removed, screener parts at TK#2

Day shift: HOLD

Afternoon shift: HOLD

Midnight shift: HOLD

New Pfaudler / Celenese Trial

The Pfaudler has been rinsed but not acid washed. Tentative start update the week of 5/5/14

Day shift: No activity.

Afternoon Shift: Hydraulic leak repaired, continue on cleaning (most items on clean-up sheet completed).

Midnight shift: Sample taken of the O.R. water that was used to final rinse the pfaudler and taken to the lab to test for purity.

Priorities for the next week

- I. Safety and Environmental
- II. Towers - Keep screening going on Cu-1155 T 3/16 so we have enough bins for DPT
- III. 6081 strikes
- IV. 5 RC 1520 - continue 1505, WATCH RATE 15,600 PER DAY
- V. 3 line - D-0704 finish and clean for SSD (we want a quick turnaround)
- VI. 1 line Al- 3992 finish extrusion and rescreens at end.

- VII. 4 RC - Selectsorb make sure color and SA look ok run out what we have then cool to clean for D- 5206
 - VIII. 6 RC and drier - Finish QAQ need to have this clean for D- 0754 to start Monday am. John will check on Monday
 - IX. Tunnel Kilns Cu-0540 and Cu-3818 P trials
 - X. Abbe and National
 - XI. PK 1506
 - XII. Cu-0360 wet mixing should start next week (perhaps Wednesday- Jack to provide info on what to do)
- Celanese starts may 5th. we have to be ready and have visitors on site. THERE IS A LOT OF MAINTENANCE WORK OCCURRING HERE NEXT WEEK

Start Up Requirements for Cu 0360 T1/8 Trial

#2 Littleford

Rough scrape of Cu 0860 from mixer - products are very similar Cu-3819 (50285127), Hydrated lime (52896848), Attagel-30 Clay (55258087) in powder room
Nalco 2327 (56061055) and NaOH (53014985) at mixer two tote wandung stations
"119" 20ft3 supersack (67005248) on PR2 rack by extruder bypass chute
Extra 119 Supersacks
Cu 0360 Wetmix Product and Sample Labels (50381809) ONLY
CONSUME RAWS AT THIS POINT, NO PRODUCTION STEP

Wyssmont/Blender 4

Operating procedure complete
"112" 25ft3 supersacks (67004947) ready for discharge
Extra "112" Supersacks
Blender 4 PSSR punchlist items completed, cleaned
1107 Graphite (57403280) with small scale ready to weigh
Clean PR2 Totes

Cu 0360 Pillmix product and sample labels (50381222)

PR2

Hoppers, 1/8" machines, screener cleaned for non Cr production
"112" 25ft³ supersacks (67004947) to screen in to for final RC
calcination

Cu 0360 T1/8 GP labels (50381419)

Totes, Tableting Line, Screener with Orange Non Cr Placards
Product Bags Labelled

Calciner 2 or 4: More info to follow